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NLP Homework 5 – q2

Q:

Implement `show_nearest()`. Given a dictionary of word-context vectors, the context vector of a particular query word `w`, the words you want to exclude in the responses (It should be the query word `w` in this question), and the similarity metric you want to use (it should be the `cossim sparse` function you just implemented), `show_nearest()` finds the 10 words most similar to `w`. Display the similar words, and their similarity scores against the query word `w`. To make sure your function is working, feel free to use the small `nytcounts.university cat dog` database via the provided `testq2.py` program.

A:

Method has been implemented and uploaded on Vocareum.

Below is the result of executing provided file: `testq2.py`

It shows 10 similar words to word: **dog**

```
file nytcounts.university_cat_dog has contexts for 3 words
1: cat (0.966891672715)
2: university (0.659230248969)
```